

56. (Amended) The method of claim 54, wherein the molecule is derived from a gene expression library.

57. (Amended) The method of claim 55, wherein the enzyme is selected from the group consisting of lipases, esterases, proteases, glycosidases, glycosyl transferases, phosphatases, kinases, mono- and dioxygenases, haloperoxidases, lignin peroxidases, diarylpropane peroxidases, epoxide hydrolases, nitrile hydratases, nitrilases, transaminases, amidases, and acylases.

58. (Amended) The method of claim 54, wherein the molecule inhibits the activity of the target cell component.

59. (Amended) The method of claim 54, wherein the molecule enhances the activity of the target cell component.

60. (Amended) The method of claim 54, wherein the molecule is expressed from a recombinant cell co-encapsulated with the cell expressing the target cell component and detectable marker.

63. (Amended) The method of claim 54, wherein the micro-environment is a liposome, gel microdrop, bead, agarose, cell, macrophage, or ghost cell.

67. (Amended) The method of claim 54, wherein the detectable marker is a bioluminescent molecule, a chemiluminescent molecule, a radioactive material, or an enzymatic substrate.

70. (Amended) The method of claim 54, wherein the cell component is a transducing protein.